

NUCLEAR DIVISION

800777

March 19, 1982

G. G. Fee, 9704-2, MS-19, Y-12
H. Postma, 4500-N, I-210, ORNL
W. F. Thomas, K-1001, MS-134, ORGDP
C. D. Zerby, C-100, 127, PGDP

Radioactive Effluent Data

Radioactive effluent data for each Nuclear Division facility were transmitted to DOE by Mr. Hibbs' letter of March 12, 1981. These data were provided in accordance with the requirements set forth in DOE Order 5484.1 and consisted of summary information and data forms for subsequent transfer of the data to computer cards. A summary of total releases by facility is attached for your information and consideration.

RGJ:cm

RGJ:cm

Attachment

cc/att: P. C. Fournery, 9704-2, MS-5, Y-12
R. F. Hibbs, 9704-2, MS-4, Y-12
C. C. Hopkins, K-1001, MS-133, ORGDP
G. R. Jasny, 9704-2, MS-4, Y-12
C. R. Richmond, 4500-N, I-206, ORNL
P. R. Vanstrum, 9704-2, MS-4, Y-12
File - RGJ - NoRC

APPROVAL FOR RELEASE

Document: # Unnumbered letter dtd 3/19/82, 1 page,
RG Jordan to GG Fee et al., "Radio-
Title/Subject Active Effluent Data," and 1-page table
"Radioactive Effluent Releases 1980 - 1981."

Approval for unrestricted release of this document is authorized by the Oak Ridge K-25 Site Classification and Information Control Office, Martin Marietta Energy Systems, Inc., PO Box 2003, Oak Ridge, TN 37831-7307.

K-25 Classification & Information Control Officer

Date

#491

Radioactive Effluent Releases

1980 - 1981

	Liquid		Gaseous		
	1980	1981	1980	1981	
<u>ORNL</u>					
Cs-137	0.59 Ci	0.23 Ci	I-131	0.2 Ci	< 0.5 Ci
Co-60	1.37 Ci	0.66 Ci	Xe-133	<42,800 Ci	<32,400 Ci
H-3	3,370 Ci	2,880 Ci	Kr-85	< 8,800 Ci	< 6,600 Ci
I-131	0.09 Ci	0.04 Ci	H-3	14,800 Ci	11,300 Ci
Ru-106	<0.01 Ci	0.1 Ci	UN-ID-Alpha	4×10^{-6} Ci	$<7.8 \times 10^{-8}$ Ci
Sr-90	1.35 Ci	1.51 Ci	Cs-134	3.6×10^{-3} Ci	ND
Transuranics	0.04 Ci	0.04 Ci	Cs-137	2.2×10^{-3} Ci	ND
<u>ORGDP</u>					
U	588 kg	544 kg	U	14.2 kg	2.5 kg
Tc-99	5.1 Ci	3.5 Ci	Tc-99	0.9 Ci	0.04 Ci
NP-237	1.4×10^{-3} Ci	2.1×10^{-3} Ci	Kr-85	45 Ci	25 Ci
<u>PGDP</u>					
U	589 kg	305 kg	U	1.7 kg	119 kg
Tc-99	7.9 Ci	2.8 Ci	Tc-99	0.05 Ci	6.1×10^{-3} Ci
<u>Y-12</u>					
U	240 kg	368 kg	U	2.4 kg	1.8 kg
Th-232	78 kg	72 kg			

*ND - None Detected

ChemRisk Document Request Transmittal Form

(This section to be completed by ChemRisk)

Name S. Sandberg / Division _____ is requested to provide the following document

Address _____

Date of Request MAR 12/80 Expected receipt of document 12/21

Title of requested document Radioactive Effluent Data

Document Number 800777

Access Number of Document _____ Date of Document 3/19/82

(This section to be completed by Derivative Classifier)

Derivative Classifier T.R.G. Jordan Phone 41645

Date document transmitted to Dr. Quist 4/15/93 1/22/93

Date release received from Dr. Quist OK 082 1/22/93

PUBLIC RELEASE STAMP attached to each copy of document (YES NO)

Date document sent to reproduction _____ Expected Return _____

Delivered to DRC by _____ Date _____

(This section to be completed by DRC)

Received by DRC _____ Date _____

Processed _____

Mailed _____

6E :S WJ E- 83J E66

OAK RIDGE K-25 SITE DOCUMENT P- FORM

Person requesting release JENNIFER LAMB (CHEMRISK)

Mailing Address K-1200 MS-7262

Date by which release is required _____

Some documents require special review and _____

(Standard processing time is 5 working days. Processing time will be longer.)

Note: Two copies of the document must generally be provided to the Classification and Information Control Office with this request. Only one copy of photos and videotapes is required. Documents that include photos must be accompanied by "originals" of the photos.

Approval of request for Classification and Information Control Office to release document (department head or higher):

Signature: _____

Date _____

DOCUMENT DESCRIPTION (to be completed by requester)

Document number UNNUMBERED/800777

Pages 2

Document title RADIOACTIVE EFFLUENT DATA

Author(s) (indicate other divisions or organizations, if applicable) RG JORDAN

Document type (See Doc. Prep. Guide, Chs. 1 and 2, for definitions of document types):

- ☐ Formal Report ☐ Progress Report ☐ Informal R&D Report ☐ Abstract ☐ Drawing
- ☐ Administrative ☒ Correspondence ☐ Internal Technical Data ☐ Photo ☐ Other Visuals
- ☐ Journal Article (identify journal): _____
- ☐ Oral Presentation (identify meeting, sponsor, location, date): _____

Will oral presentation be published in program, booklet, brochure, etc.? ☐ Yes ☐ No ☐ Not Known

Will copies of the oral presentation be distributed ☐ before, ☐ after, ☐ during the meeting? ☐ No distribution will be made.

☐ Other (specify): _____

Purpose of release HEALTH STUDY FEASIBILITY PROJECT

Previously cleared documents containing similar information _____

Is copyrighted material contained in this document? (If present, attach release.) ☐ Yes ☒ No

Remarks _____

CLASSIFICATION INFORMATION (to be obtained by requester)

Was the work reported in this document funded, in whole or in part, by a classified program at Martin Marietta Energy Systems, Inc.?

☐ No ☐ Yes (Name of program: _____)

Is the subject area of this document closely related to a prior or current classified program at Martin Marietta Energy Systems, Inc.?

☐ No ☐ Yes Within the Department of Energy? ☐ No ☐ Yes

Name or Description of applicable program(s) _____

Additional remarks _____

This document contains no classified information.

Derivative Classifier signature [Signature]

Date 1/14/93

DISTRIBUTION LIMITATIONS (If any) (completed by requester)

☐ Unrestricted, unlimited

Distribution may be limited because this document contains information that is:

☐ Unclassified Controlled Nuclear Information *

☐ Applied Technology *

☐ Export Controlled *

☐ Naval Nuclear Propulsion Information *

☐ Gov't Confidential Commercial Information *

☐ Proprietary

☐ Sensitive Nuclear Technology *

☐ Small Business Innovation Research *

☐ Official Use Only

☐ Safeguards Information *

☐ Cooperative R&D Agreement *

☐ Other

* Generally identified by sponsor

Remarks: _____

PATENT INFORMATION (completed by requester)

Does this document disclose any new equipment, process, or material?

☐ Yes

☐ No

If yes, list the patent significance and identify page number(s) and line number(s) in the space immediately following (or attach separate pages).

PATENT SECTION ACTION (completed by Patent Section upon request by the Classification and Information Control Office)

☐ Document may be released for publication

☐ Document must be reviewed by DOE Patent Group before release

☐ Document contains patentable information and may not be released at this time

Remarks: _____

Patent Section Representative _____

Date _____

CLASSIFICATION AND INFORMATION CONTROL OFFICE ACTION (completed by Classification and Information Control Office)

Classification Office
Action Taken:

☐ Not approved for release (see below)

☐ Approved for release with changes (see below)

☐ Approved for release without change

Classification Officer signature _____

Date _____

Technical Information
Office Action Taken:

☐ Not approved for release (see below)

☐ Approved for release with changes (see below)

☒ Approved for release without change

to Chem Risk.

Technical Information Officer Signature _____

Griffin S. Faust

Date _____

1/29/93

Send to OSTI?

☐ Yes

☐ No

Category Distribution: _____

DOCUMENT NUMBER: UNNUMBERED/800777

DOCUMENT TITLE: RADIOACTIVE EFFLUENT RELEASES 1980 - 1981

AUTHORS: NO AUTHOR GIVEN

DOCUMENT TYPE: TABLE

DOCUMENT DATE: 00-00-81

PURPOSE OF RELEASE: HEALTH STUDY FEASIBILITY REPORT

COPY RIGHTED MATERIAL: NO
